

# **METHOD AND APPARATUS FOR FACILITATING CHECKPOINTING OF AN APPLICATION THROUGH AN INTERCEPTOR LIBRARY**

## **ABSTRACT**

One embodiment of the present invention provides a system for intercepting function calls and recording their parameters to facilitate creating a checkpoint for an application. The system operates by directing function calls to an interceptor library created for the purpose of intercepting the function calls. Functions within this interceptor library record the parameters of the function call, and then make the original call upon receiving the result of the function call. The interceptor library functions forward the results back to the application. In this way, the system records state information without modifying the application or the operating system.